



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,748	12/22/2005	Yves Dorret	0563-1044	5071
466	7590	04/09/2008	EXAMINER	
YOUNG & THOMPSON			FAYYAZ, NASHMIYA SAQIB	
209 Madison Street			ART UNIT	PAPER NUMBER
Suite 500			2856	
ALEXANDRIA, VA 22314			MAIL DATE DELIVERY MODE	
			04/09/2008 PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/538,748	<b>Applicant(s)</b> DORDET, YVES
	<b>Examiner</b> Nashmiya S. Fayyaz	<b>Art Unit</b> 2856

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 28 January 2008.

2a) This action is FINAL.      2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 8-14 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 8-14 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_

5) Notice of Informal Patent Application

6) Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 8-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 8, it is unclear what is being designated by the recitation "fixed member portion" (lines 16-17) or a member ...having a portion disposed outside said orifice" (line 10), etc. Is this referring to the nut 17 or part 15b of collar 15? If it is referring to part 15b, then it is unclear how this portion is "releasable from the remainder of said fixed member"? If it is referring to nut 17, it is unclear how the functional member "having a portion confronting said portion of said fixed member in a direction parallel" to the longitudinal axis. It is noted that the terminology of a fixed member portion has not been found in the specification for any clarification and that both limitations as recited above cannot be met by either expediency.  
Clarification is required.

***Claim Rejections - 35 USC § 102***

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 8-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Harada-US Patent # 4,392,082. As to claim 8, as best understood, Harada discloses a pressure sensitive ignition plug for sensing the internal pressure of a cylinder of an internal combustion engine including cylinder head (1) having a threaded bore (unnumbered) having a wall and an orifice (bore) passing through the wall, and inherently having a longitudinal axis, a functional member (insulator assembly 6) used in the operation of the engine for housing central electrode and being disposed, in part, in the bore and extending out of the cylinder head, and being "bodily moveable" since the "displacement" of the assembly 6 is measured(note col. 1, lines 50 et seq.), and further including a fixed member (metallic plug body 2) fixed to the wall via threads 4 and screw portion 27 outside the bore, where the assembly 6 has a portion (around and above diameter 14 portion confronting the body 2 portion 3 in a direction parallel the longitudinal axis, and pressure sensitive means (pressure sensor 17) disposed between the fixed member and confronting portion to detect pressure changes in the head by displacement of the insulator assembly, see col. 2, lines 50 et seq and fig. 1. Further, note that the screw 27 is externally exposed and appears to be capable of being released since it is referred to as a "fixing screw". As to claim 9, all the

portions appear to be annular given the view of fig.2. As to claims 10 and 11, note the view of fig. 1. As to claim 12, as best understood, again note fig. 1 where the portion of the fixed means and confronting portion above the cylinder head have a diameter greater than that of the bore. As to claim 13, as best understood, the confronting portion and the sensitive means and part of the fixed means are disposed outside of the orifice. As to claim 14, note the threading of the fixed member 2 which is separate from the operating member 6.

***Response to Arguments***

5. Applicant's arguments filed 1/28/08 have been fully considered but they are not persuasive. Applicant has argued that in Harada, a spark plug of special configuration is provided where the present invention employs standard spark plugs, etc. and that member 27 is not exposed and is not removable for replacement. Such an argument is not found persuasive because there is no claim language reciting a spark plug or its configuration as standard or special. Further, it is noted that member 27 is recited as a **fixing screw** which would seem to indicate that the screw would also then be capable of being releasing when it is unscrewed. Further, as to the recitation of being "externally exposed", it is noted that there is no indication as to what the exposure is to and it is noted that the screw 27 meets the limitation of being "externally exposed" when the sheath is removed.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nashmiya S. Fayyaz whose telephone number is 571-272-2192. The examiner can normally be reached on Mondays and Thursdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron E. Williams can be reached on 571-272-2208. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/N. S. F./  
Examiner, Art Unit 2856  
/Hezron Williams/

Application/Control Number: 10/538,748  
Art Unit: 2856

Page 6

Supervisory Patent Examiner, Art Unit 2856